Business Mathematics Icom Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	B^2 - 4ac in a quadratic formula is called	A. Nature of root B. Discriminant C. Solution set D. Extraneous root
2	Equation of the form $ax^4 + bx^3 + bx + a$ is:	A. Polynomial B. Reciprocal C. Irrational D. None of these
3	Two consecutive odd integers are:	A. x and (x + 2) B. (x + 1) and (x + 3) C. 2x, (2x + 2) D. (2x + 1) and (2x + 3)
4	Factorization is one of the method use to solve:	A. ax + b = 0 B. ax2 + bx + C = 0 C. ax3 + bx + c = 0 D. None of these
5	5x - 2 = 10 is a	A. Open sentence B. Right sentence C. False sentence D. Equation
6	The sign of every equation is:	A. ≠ B. = C. <u>></u> D. <u><</u>
7	The roots of quadratic equation will be imaginary if b^2 - 4ac is	A. 0 B. -ve C. +ve D. Greater than zero
8	Simultaneous equations can be solved in ways.	A. 2 B. 3 C. 4 D. 5
9	Formula to calculate compounded amount is:	A. P(1 + i)ⁿ B. P(1 + i)⁻ⁿ C. R (1 + i) D. P (1 - i)ⁿ
10	Solution set of 4x - 7y = 12 and 3x + y = 9 is	A. (0,3) B. (1,3) C. (6,3) D. (3,0)
11	In quadratic equation the variable has degree:	A. 1 B. 2 C. More than 2 D. Less than 2
12	Solution set of equations 4x + 5y = 40 and 3x + 2y = 23 is:	A. { (4,5) } B. { (5, 4) } C. { (-5, 4) } D. { -4, -5) }
13	The solution set of equation $x^2 + 2x + 1 = 0$ is	A. {1} B. {-1} C. {1, -1} D. None of these
14	1 : 3 is same as:	A. 3 to 1 B. 3 : 8 C. 1 to 3 D. None of the above
15	$Aa^x + Ba^{-x} = C$ is a standard form of	A. Exponential equation B. Linear equation C. Quadratic equation D. Reciprocal equation

16	A set of simultaneous equation is called set of inconsistent equation if:	A. Value of one of the unknown obtained B. Value of one of the unknown obtained C. Values of all the unknown obtained D. None of these
17	System of simultaneous equations is solved by:	A. Factorization B. Subtraction of addition C. Substitution D. Both b and c
18	The power of variable in a quadratic equation is	A. 3 B. 1 C. 4 D. 2
19	90.5% in common fraction:	A. 0.9 B. 10/9 C. 9/10 D. 181/200
20	If $3^{2x} + a = 10\ 3^{x}$ in transformed from is $y^2 + 9 = 10y$, then the transformation is:	A. 3^{2x} = y B. 3^x = y C. 1/3^x = y D. None of these